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any accidental symptoms, after endeavouring to form a just idea of the disease, must be left to the discretion of the Physician.

SUCH are the sentiments, which, from an attentive observation of the symptoms, and progress of this disease, I have entertained of its nature, and most proper treatment, which nothing, but a real desire of contributing to the stock of medical facts, has induced me to offer to the notice of the public; these being the only foundation of a certain and rational practice; and I can answer for the fidelity and candor with which I have related, what are here preserved.

*SUBSTANCE of some PAPERS that could not be inserted in their proper Place.*

*The following account of an Aurora Borealis was received from a Correspondent, at Lancaster, in Pennsylvania, viz.*

“**T**HAT about half an hour after seven in the evening of January 5th, 1769, there was seen at that place, a bright crepusculum, rising out of the North; which in about a quarter of an hour extended itself from N. E. to N. W.---The upper part was deeply notched, and rose in one place to the height of near  $40^{\circ}$ . above the horizon.

“ AT three quarters after eight, it was so light in the Northern hemisphere, that a person, who felt no decay or infirmity of eye-sight, might easily have read a book printed in Double Pica Roman.

“ AT nine o'clock, five columns or pyramids, of a very vivid *Red*, rose perpendicular to the horizon, in the N. W.---- They were unequal in their heights: For, whilst two of them rose almost to the zenith, others did not exceed  $45^{\circ}$ . They changed colours alternately from a fiery red to a purple; from that to a yellow; from yellow to a flame colour; and then to red again. These changes were so sudden and quick that they affected the sense so strongly as to raise horror.

“ AT a quarter after nine, the columns changed their perpendicular position to an oblique one, and immediately began  
to

to move towards the West. They soon blended together, and formed a dirty red sky, tinged with yellow.

“ N. B. THERE were no streamers, corruscations, tremulous or dancing motions, as are common to such Phænomena. This was a quiet one, except that it changed colours, and moved towards the West, as already described.

“ DURING the appearance the air was uncommonly severe and chilling; and, though the Heavens were serene and bespangled with stars, the atmosphere felt damp and heavy.

“ A little before ten o'clock, the whole sunk below our horizon and disappeared.”

*Mr. Thomas Gilpin hath presented a model of a Horizontal Wind-mill; and writes to the Society as follows.*

“ THAT to obviate the difficulty of turning the house, or frame, of common wind-mills to the wind, he had contrived a model of a horizontal wind-mill, which he had fixed to three pumps, as he apprehended the chief use of such a mill would be the applying it to raise water out of mines and quarries, and likewise out of wells, or brooks for watering meadows. He thinks also it might be further applied to answer the various uses of other wind-mills, without the inconvenience in turning or shifting them as the winds shift.

“ THE model is three pumps erect, in a triangular position; in the center is a crank erect in a step, and studded by a neck in a frame, from the ears of the pumps; on the top of the crank are eight arms, and at the ends of each is a sail which alternately draws with the wind, and folds against it, which gives a powerful motion to the crank, which, by a handle to each pump, works them in a regular succession.”

*Mr. John Jones, of Indian River, Worcester County, Maryland, gives the following account of a Species of Grape Vines, which he had discovered, different from all others he had ever seen.---*

“ THE bark (he says,) is of a grey colour, very smooth, and the wood of a firm texture. They delight in a high sandy soil;